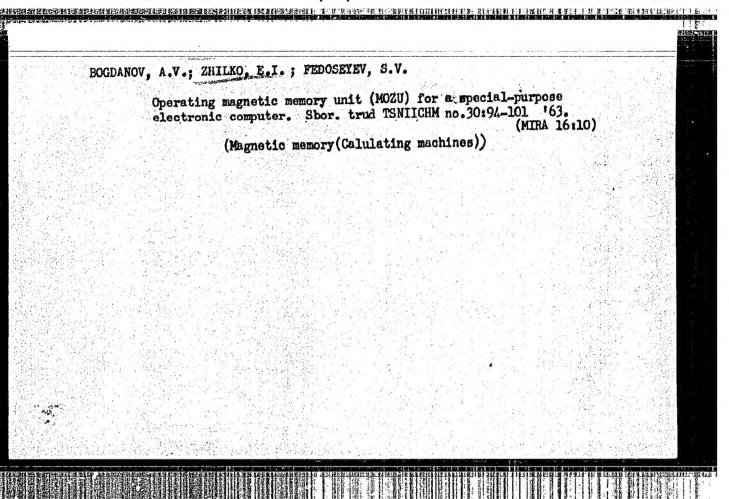
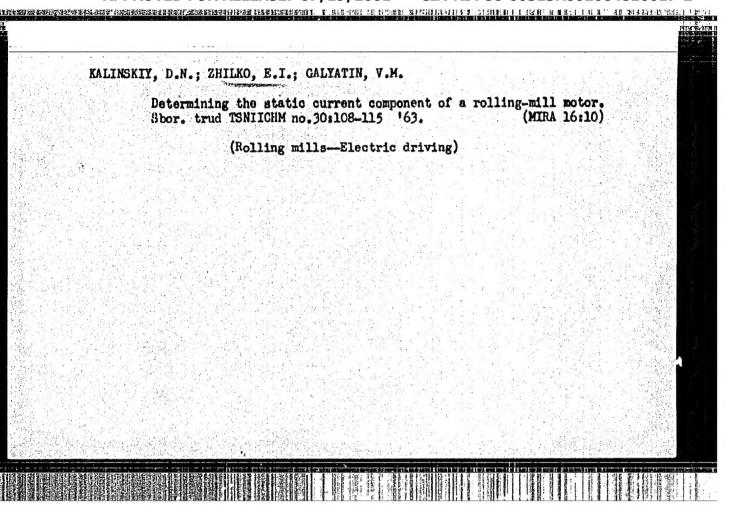


GALYATIN, V.M.; KALINSKIY, D.N.; Prinimali uchastiye: KUROCHKIN, I.F.;
DUVANOV, A.I.; SOLOV'YEV, Yu.F.; GERASIMOV, Yu.V.; GROSVAL'D, V.G.;
SHASHKOV, W.N.; VOLKOV, A.A.; ZHILKO, E.I.; MITROPOL'SKIY, Yu.I.;
FEDOSEYEV, S.V.; GONCHAROV, F.I., rabotnik; SHEMETOV, P.Ye.,
rabotnik; CHUPRINA, I.A., rabotnik; DEMIN, P.Ye., rabotnik;
GONCHARENKO, P.V., rabotnik; SIMANYUK, G.N., rabotnik

Investigating power and technological parameters of rolling on the 2350 medium sheet mill. [Sbor. trud.] TSNIICHM no.29:138-148 '63. (MIRA 17:4)

1. Sotrudniki TSentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Gerasimov, Grosval'd, Shashkov, Volkov, Zhilko, Mitropol'skiy, Fedoseyev). 2. Listoprokatnyy tsekh Magnitogorskogo metallurgicheskogo kombinata (for Goncharov, Shemetov, Demin, Chuprina, Goncharenko, Simanyuk).





ZHILKO, E.I.; MITROPOL'SKIY, Yu.I.

High-reliability logical circuits equipped with ferrite transistor cells. Stor. trud TSNIICHM no.30:82-92 '63. (MIRA 16:10)

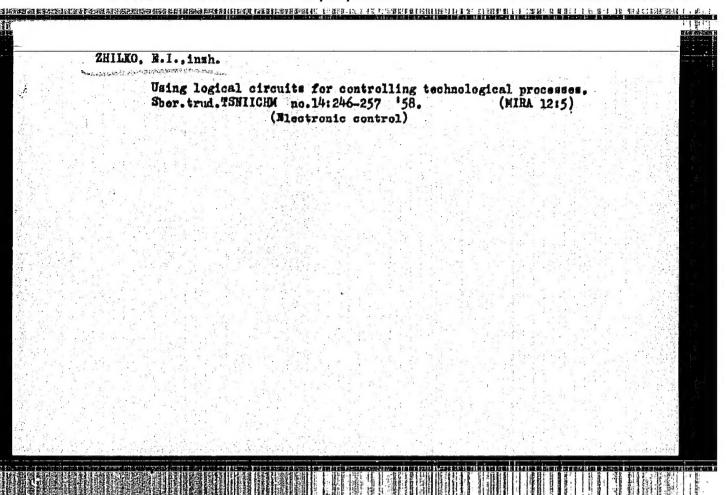
(Electronic computers—Design and construction)

BALYCHEV, O.N.; ZHILKO, E.I.; MAKEYEV, I.F.; SHIBAYEV, I.P.

Command and executive device for automatic control of a charge distributor depending on the gas temperature along the charge hole circumference of a blast furnace. Sbor. trud TSNIICHM no.30:23-27 '63.

(Blast furnaces—Equipment and supplies)

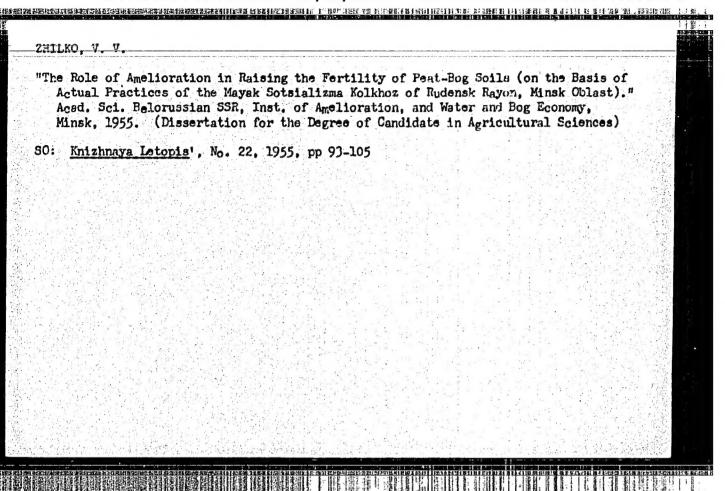
(Automatic control)



ZHILKO, Yladimir Vasil'yovich; IAZARCHIK, K., red.; ZEN'KO, M., tekbn.
red.

[Krosion control in White Russia]Bor'ba s eroziei pochv v Belorusskoi SSR. Minsk, Cos.izd-vo sel'khoz. lit-ry BSSR, 1962. 39 p.

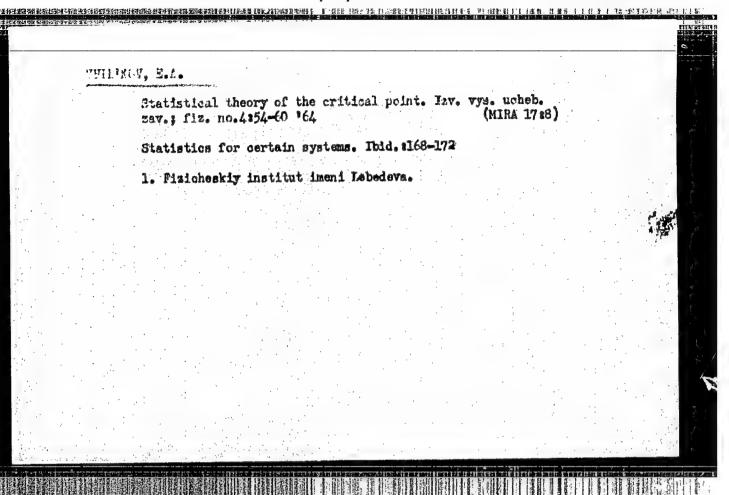
(White Russia—Erosion)

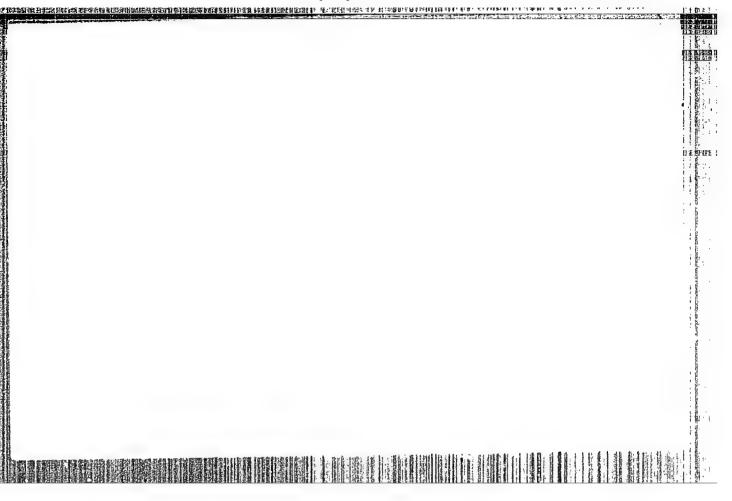


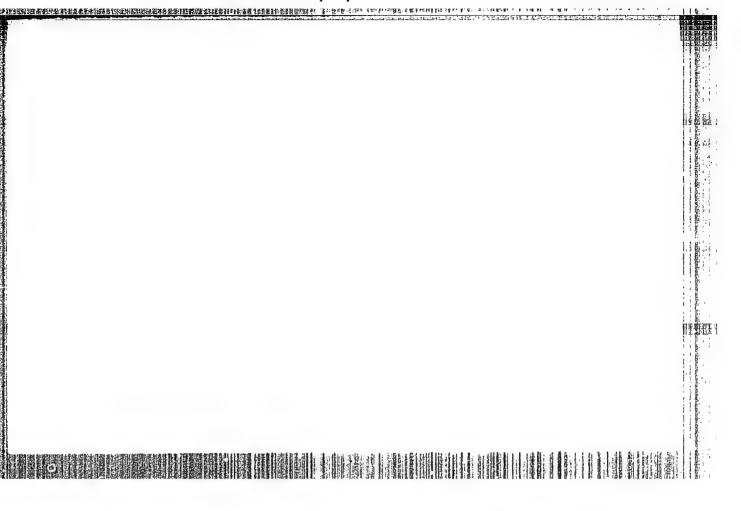
ZHIL!KOV, E.A.; STRATONOVICH, R.L.

Thermodynamics of phase transitions in certain systems. Izv. vys. ucheb. (MIRA 17:2)

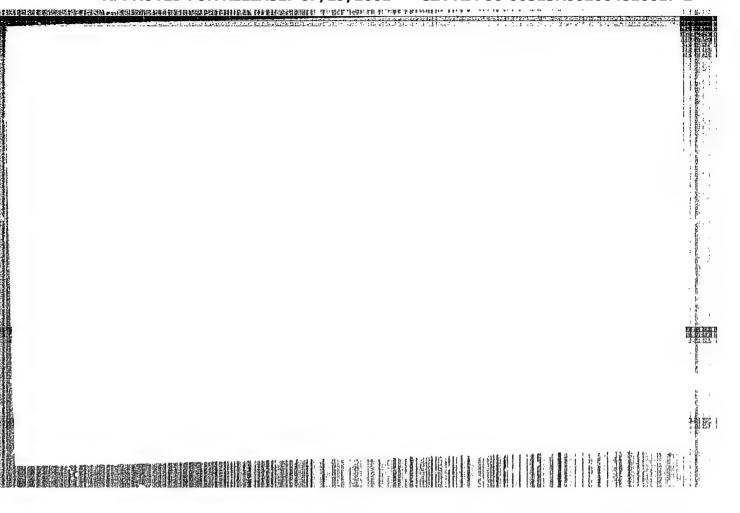
1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.







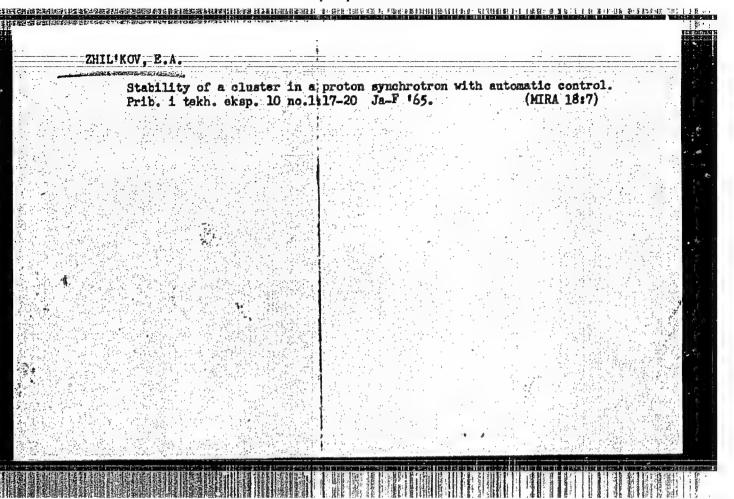


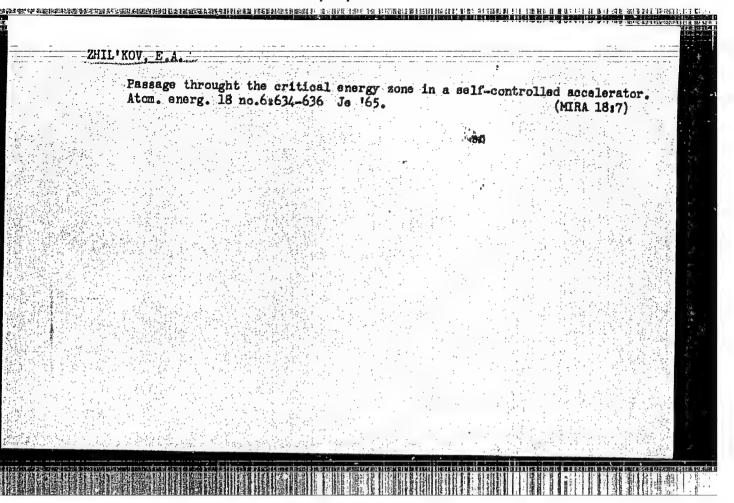


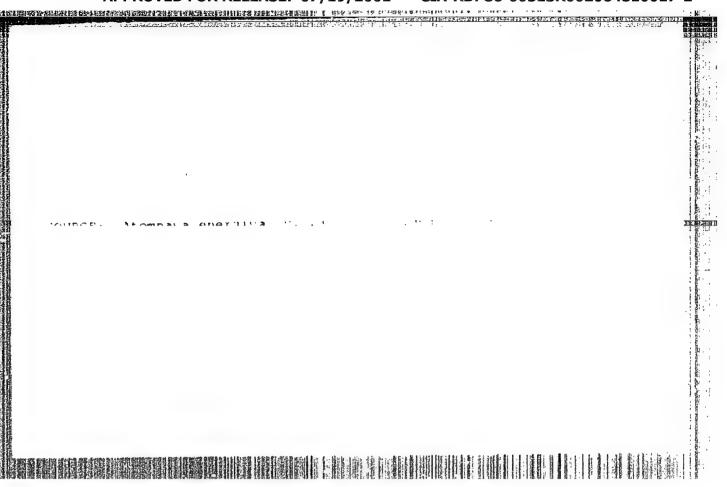
STRATONOVICH, R.L.; ZHIL'KOV, E.A.

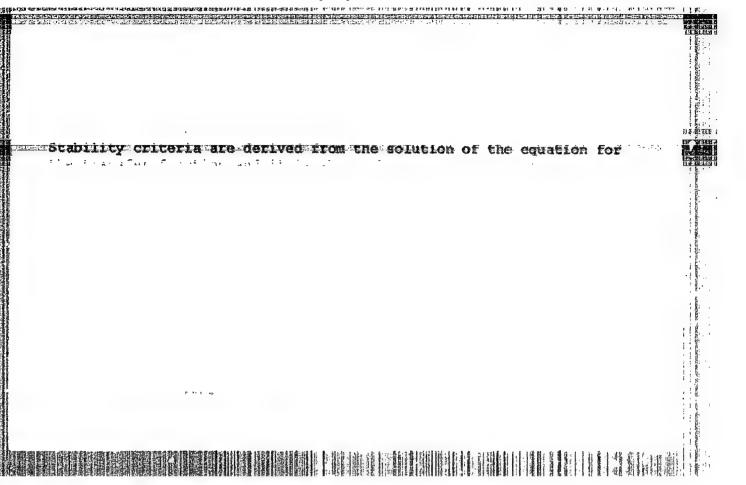
Some relations between thermodynamic functions and its theoreticoinformational interpretation. Vest. Mosk. un. Ser. 3: Fiz., astron. 20 no.2144-52 Mr-Ap 65.

l. Kafedra obshchey fiziki dlya mekhaniko-matematicheskogo fakuliteta Moskovskogo gosudarstvennogo universiteta.



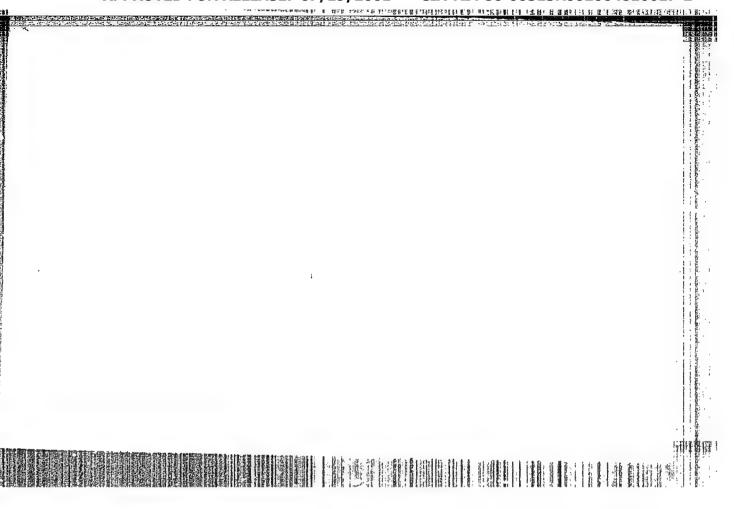


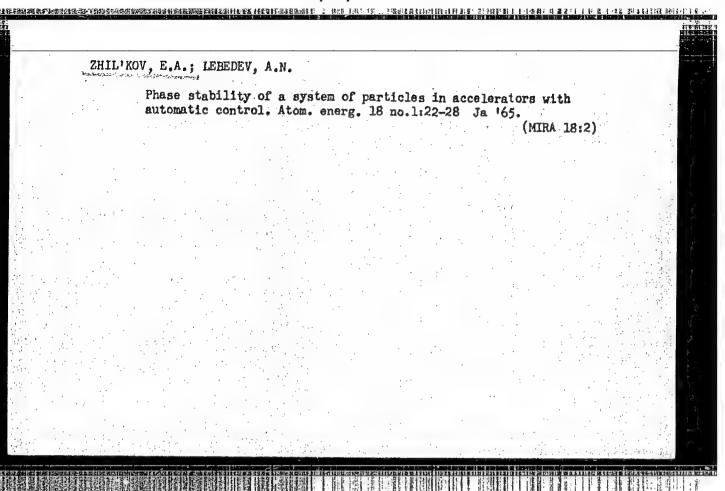


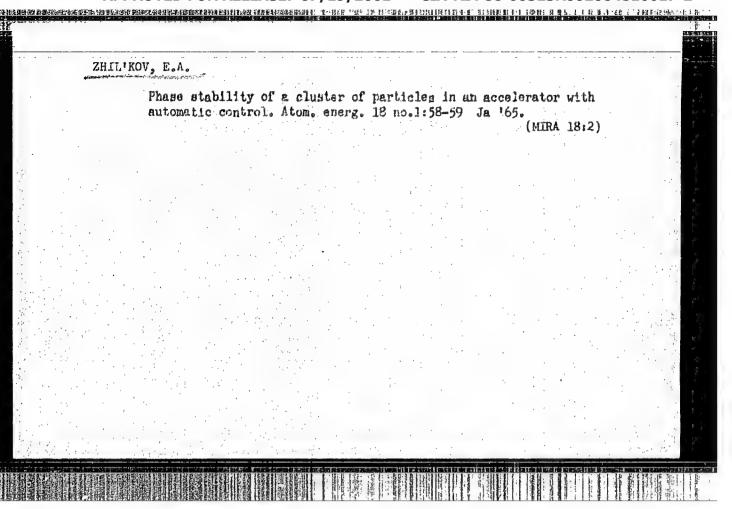










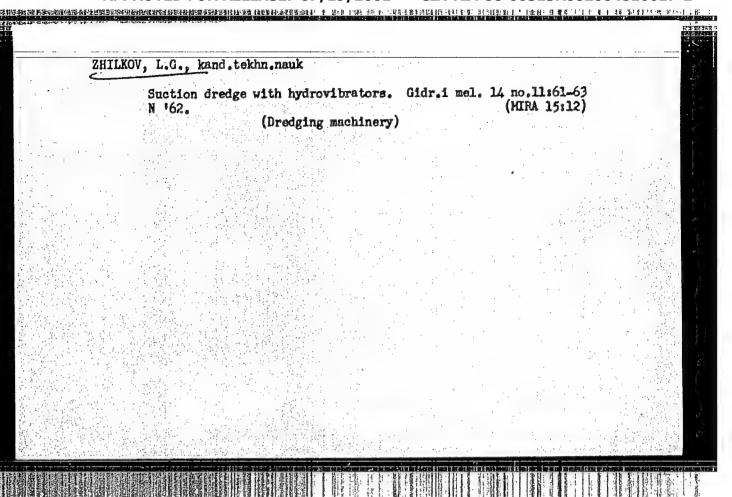


排制的工程。65年初的研究的职则抗病效果的现在分词的解析的复数形式的打探地位为在原则的的思想的思想的,有一种的一种,有一种的一种,不是一种的一种,不是一种的一种,不是

Hydraulic Engineering

Hydraulic separation of soils is the basis for intensive construction by hydraulic fill. Gidr. i mel. 4 No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress
December 1952. UNCLASSIFIED.



ZHILKOV, Leonid G., k.t.n. inzh. Water sorting of soils. Khidrotekh i melior 9 no.7:200-201

TSAREVSKIY, Aleksey Mikhaylovich, kandidat tekhnicheskikh nauk; ZHILKOV,
Leonid Georgiyevich, kandidat tekhnicheskikh nauk; PUGAVKO, Boris Turishovich, inshener-konstruktor; MORCE, I.I., redaktor;
ISLENT YEVA, P.G., tekhnicheskiy redaktor.

[Minor hydraulic engineering equipment; new machines for the dredgi

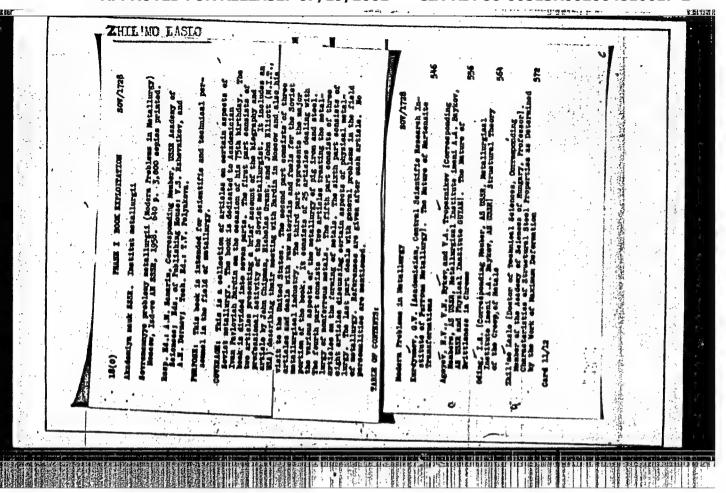
[Minor hydraulic engineering equipment; new machines for the dredging of lakes, canals and small rivers] Malaia gidromekhanisatsiia; novye mashiny dlia ochistki prudov, kanalov i malykh rek. Moskva, Isd-vo "Znanie," 1954. 31 p. (Vsesoiusnoe obshchestvo po rasprostranenkiu politicheskikh i nauchnykh snanii, Ser. 4, no.23) [Microfilm]

(Dredging machinery) (MLRA 7:11)

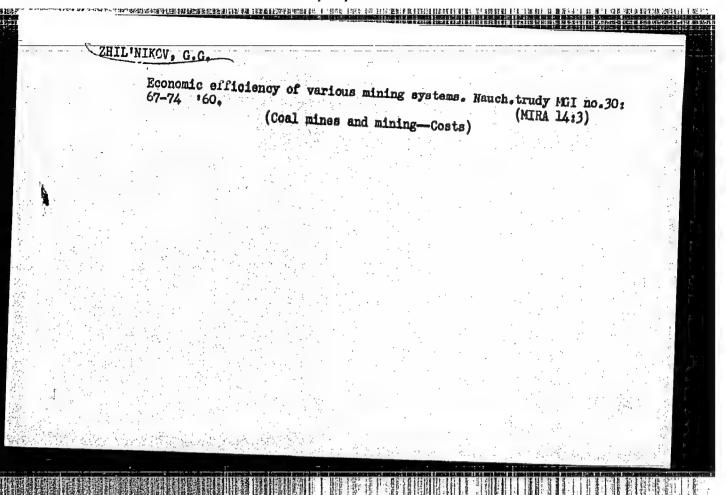
```
11163
                                                                                        s/044/62/000/009/062/069
                                                                                        A060/A000
                               On the stability of forced oscillations in nonlinear automatic con-
                              Zhill', I.K., Dekol'n, P.A.
                                Referativnyy zhurnal, Matematika, no. 9, 1962, 46, abstract 9V244 K
                                 Mezhdunar. federatsiya po avtomat. tor. 12 mezhdunar. kongress
             AUTHORS:
                                trol systems
                                 po avtomat. upr. , Moscow, AN SSSR, 1960, 12 pp, 111.)
             TITIE:
                                  In investigating forced oscillations of a system by the method of
                TEXT:
harmonic balancing, it is proposed that the following squation be analyzed
               PERIODICAL:
                                                 F = AN (A) \left| \frac{1}{N(A)} + L(J(\omega)) \right|
                   where F is the amplitude of the perturbing input quantity, A is the amplitude of the forced oscillations N (A) is the amplitude of the perturbing input quantity, A is the amplitude of the perturbing input quantity, A is the amplitude of the perturbing input quantity, A is the amplitude of the perturbing input quantity, A is the amplitude of the perturbing input quantity, A is the amplitude of the perturbing input quantity, A is the amplitude of the perturbing input quantity.
                   where F is the amplitude of the perturbing input quantity, A is the amplitude the forced oscillations, N (A) is the equivalent amplification
                 graphically:
                   the forced oscillations, N (A) is the equivalent ampilification instead of nonlinear element, L (j\omega) is the phase-amplitude characteristic, instead of
                     Card 1/2
                APPROVED FOR RELEASE: 07/19/2001
        On the stability of forced oscillations in ....
        analyzing the equation
       analyzing the equation in which the product N (A) L((j\omega)) is complicated, particularly in the presence
                                                                                      8/044/62/000/009/062/069
      of hysteresis (in that case N (A) is complex). It is indicated that in the presence
      sence of hysteresis in the nonlinear element the unstable forced oscillations
      correspond to the branch of the amplitude characteristic enclosed between the
     points at which their tangent is vertical. In the absence of hysteresis ampli-
     tude, jumps may be observed at a frequency \omega only in the case that the point
    U(ω), V(ω) lies inside the circumscribing family of circles
                        U^{2} + V^{2} + \frac{N + (N + AN')}{N(N + AN')} U + \frac{1}{N(N + AN)}
   where U and V are the real and imaginary parts of L (j\omega).
 [Abstracter's note: Complete translation]
                                                                                                               (3)
Card 2/2
```

"APPROVED FOR RELEASE: 07/19/2001

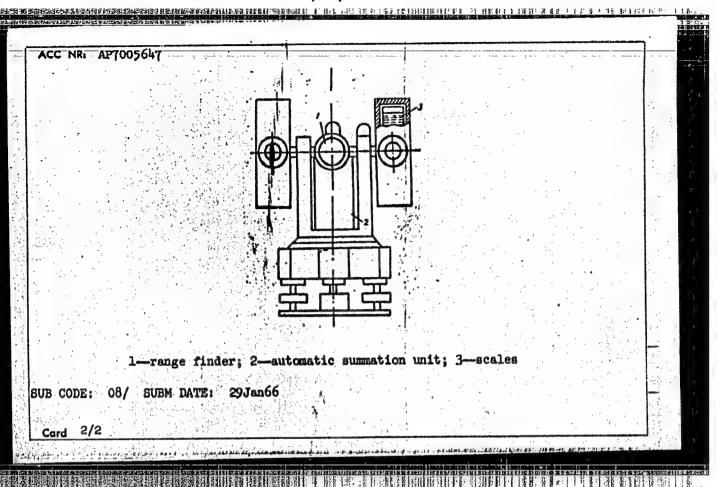
CIA-RDP86-00513R002064810017-2

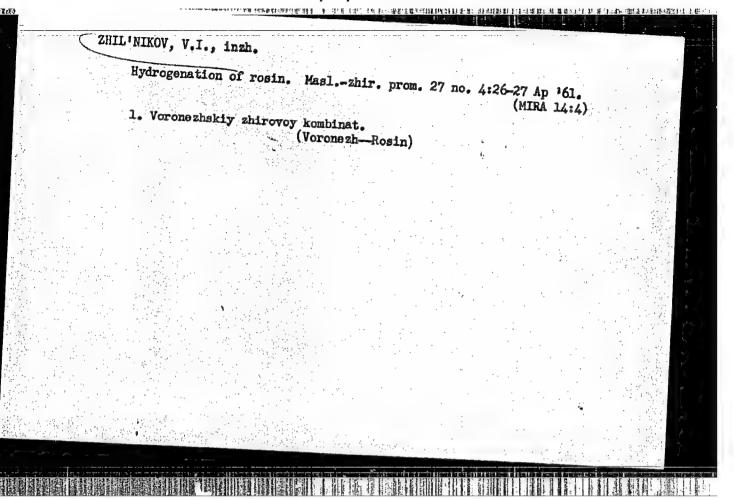


ZHILWENKOV, I.V. Temperature coefficient of the dielectric constant of eorbed water. Zhur. fiz. khim. 36 no.11:2406-2412 N'62. (MIRA 17:5) 1. Voronezhskiy sel'skokhozyaystvennyy institut.



ACC NR AP7005647 SOURCE CODE: UR/0413/67/000/002/0094/0094 INVENTOR: Kusherbayev, N. I.; Zhil'nikov, V. D.; Gubanov, L. A. ORG: None TITLE: A gravimetric correction meter. Class 42, No. 190597 [announced by the Kazakh Affiliate of the All-Union Scientific Research Institute of Exploratory Geophysics (Kazakhskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta razvedochnoy SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 94-95 TOPIC TAGS: gravimeter, error correction ABSTRACT: This Author's Certificate introduces a gravimetric correction meter based on Author's Certificate No. 167047. The instrument is designed for a wider distance measurement range, measurement of corrections during operation with gravitational variometers and gradiometers and also for increased productivity. The unit contains a range finder, a device for automatic summation of the quantities measured and correction scales in gravitational force derivative units. Card UDC: 550.831





ZHIL'NIKOV, V.I.; SLUKIN, A.D.; SHATALOV, V.P.; KHLOPOTUROV, G.F.

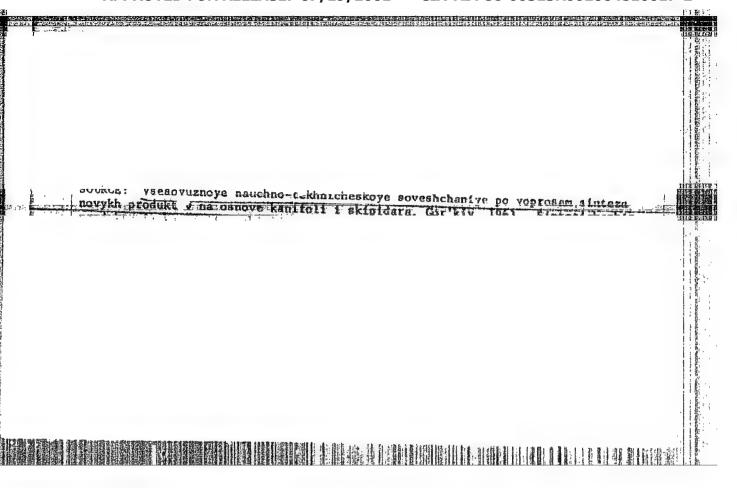
Rosin emulsifier for butadiene-styrene rubbers. Gidroliz. i
lesokhim.prom. 16 no.3s21-23 '63. (MIRA 16:5)

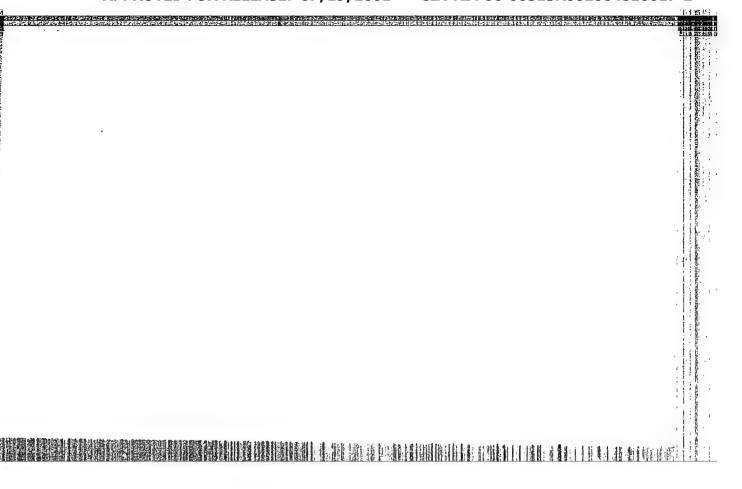
1. Voronezhskiy zhirkombinat (for Zhil'nikov). 2. TSentral'no-Chernozemnyy sovet narodnogo khozyaystva (for Slukin). 3. Voronezhskiy
zaovd sinteticheskogo kauchuka (for Shatalov, Khloptunov).

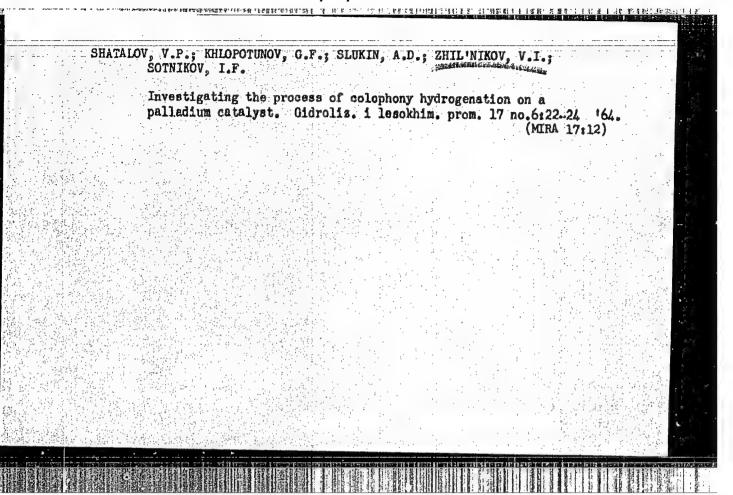
(Rubber, Synthetic) (Emulsifying agents)

SHATALOV, V.P.; KHLOPOTUNOV, G.F.; SLUKIN, A.D.; ZHIL'NIKOV, V.I.

Hydrogenation of romin under atmospheric pressure. Gidroliz.
i lesokhim. prom. 16 no.615-7 '63. (MIRA 16:10)







UR/0000/66/000/000/0007/0013 L 34414-66 SOURCE CODE: ACC NR: AT6022229 Ya. P. L. Zhilkov. AUTHOR: Kukush, V. D.; Oychinnikov, I. K.; Tsar, Ys. Bobol , N. K.; V. S.; Pasechnik, V. F.; ORG: none Device for measuring deviations in the power level SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchehnaya Dnyu radio, 22d, 1966. Sektsiya radioizmereniy. Doklady. TOPIC TAGS: power meter, electric measuring measurement, generator ABSTRACT: A device for measuring the output power of uhf generators is described. The device operates on the principle of a balanced static calorimeter used for precise power measurements in the centimeter and millimeter ranges. The system incorporates a balanced static calorineter and a measuring block. The balanced calorimeter consists of twoidentical coaxial loads, i.e., an hf load and a compensated load. heaters are incorporated directly in the loads. The measuring block consists of three basic sections: a d-c amplifier, a measuring circuit and stabilized power supply sources. The following data were obtained in experiments with the device which characterize its efficiency: voltage standing wave ratio of the terminal section is practically Card 1/2

L. 31,053-66

ACC NR. AP6021790

I transformers have three terminals (two end terminals and a center tap each). The end terminals of opposite transformer sections are connected to each other through rectifier diodes. The load and a ballast resistor are tied to transformer secondary center taps connected in pairs as indicated. This arrangement increases the efficiency of the unit with respect to the reference voltage source and assures an abrupt limiting of the output voltage when the linear range of the characteristic is exceeded (see Fig. 1). Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 12Mar65/ ATD PRESS:5/32

Comments by leaders of the competition for titles of brigades and shock workers of communist labor. Zhilkom. khos. 10 no.7:3 '60. (MIRA 13:10)
1. Upravleniye tramvaynogo khosyaystva g. Stalinska Kemerovskoy oblasti (for Zhil'nikova). 2. Master Fabriki-prachechnoy No.4 Kirovskogo rayona g. Moskvyy (for Anashkina). (StalinskStreet railwaysEmployees) (MoscowLaundry industry)

ZHIL'NIKOVA, A.V.; KNYAZEV, A.D.

Automatic lamp rooms in Kuznetsk Basin mines. Adm.-byt. komb. ugol'. shakht. no.4:53-57 '61. (MIRA 15:8)

1. Gosudarstvennyy inzhenerno-proyektnyy institut po proyektirovaniyu shakhtnogo stroitel'stva v Kuzbasse.

(Kuznetsk Basin-Mining engineering-Safety measures)

:14(8)

PHASE I BOOK EXPLOITATION

BOY/1585

Spravochnik po okhrane truda i tekhnike bezopasnosti (Handbook on Industrial Safety and Safety Engineering) Moscov, Metallurgizdat, 1958. 470 p.

12,000 copies printed.

Compilers: P. I. Raylo and M. Ye. Zhilo; Ed. of Publishing House: A. I. Brushteyn; Tech. Ed.: L. V. Dobuzhinskaya.

PURPOSE: The handbook is intended for those individuals in national economic workers safety. It councils and industrial establishments responsible for may also serve as a safety engineering manual for engineering and technical personnel in ferrous metallurgy and fir workers of planning organizations.

COVERAGE: This handbook is an enlarged edition of the volume published by Metallurgizdat in 1948. It contains the following material dealing with the improvement of health conditions at work: 1) instruction on the conduct of compulsory preliminary and periodical medical examinations; 2) sanitation standards when planning industrial establishments (N101-54), with changes introduced as of Jan 1, 1958; 3) sanitation regulations governing the transport, storage, accounting, and work with radioactive substances, approved on

Card 1/17

force as of August 1, 1958. There are no references, and no personalities are mentioned. TABLE OF CONTENTS: Foreword Ch. I. General Aspects Excerpts from the Resolutions of the Flemum of the Central Committee of the Communist Party of the Soviet Union, adopted on December 17, 1957 Transition to a shorter workday and increased and regulated wages for workers, supervisors, and engineering and technical personnel in the mining, metallurgical, and coking industries Industrial safety (from the Code of Labor Laws of the RSFSR) Excerpts from standard rules on the internal work order for workers and employees of state, cooperative, and public establishments and enterprises Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry of Ferrous Metallurgy of the USSR		Handbook on Industrial (Cont.) April 14, 1957. The handbook contains decrees, directives, instructions, and other data on the industrial safety of workers and safety engineering in	
Foreword Ch. I. General Aspects Excerpts from the Resolutions of the Plenum of the Central Committee of the Communist Party of the Soviet Union, adopted on December 17, 1957 Transition to a shorter workday and increased and regulated wages for workers, supervisors, and engineering and technical personnel in the mining, metallurgical, and coking industries Industrial safety (from the Code of Labor Laws of the RSFSR) Excerpts from standard rules on the internal work order for workers and employees of state, cooperative, and public establishments and enterprises Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry	; .	force as of August 1, 1958. There are no references, and no personalization	
Ch. I. General Aspects Excerpts from the Resolutions of the Plenum of the Central Committee of the Communist Party of the Soviet Union, adopted on December 17, 1957 Transition to a shorter workday and increased and regulated wages for workers, supervisors, and engineering and technical personnel in the mining, metallurgical, and coking industries Industrial safety (from the Code of Labor Laws of the RSFSR) Excerpts from standard rules on the internal work order for workers and employees of state, cooperative, and public establishments and enterprises Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry			
Excerpts from the Resolutions of the Plenum of the tentral communities of the Communist Party of the Soviet Union, adopted on December 17, 1957 of the Communist Party of the Soviet Union, adopted on December 17, 1957 of the Communist Party of the Soviet Union, adopted on December 17, 1957 of the Constitution to a shorter workday and increased and regulated wages for workers, and engineering and technical personnel in the mining, metallurgical, and coking industries Industrial safety (from the Code of Labor Laws of the RSFSR) Excerpts from standard rules on the internal work order for workers and employees of state, cooperative, and public establishments and enterprises Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry	٠.,		
enterprises Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry		Excerpts from the Resolutions of the Plenum of the tentral committees of the Communist Party of the Soviet Union, adopted on December 17, 1957 Transition to a shorter workday and increased and regulated wages for workers, supervisors, and engineering and technical personnel in the mining, metallurgical, and coking industries 6 6 6 6	
		enterprises Excerpts from regulations on safety engineering and industrial safety Regulations on the gas rescue service in establishments of the Ministry	

Handbook on Industrial (Cont.)	SOV/1585	
Instructions on the organization of hazs gas rescue stations in establishments of Metallurgy of the USSR Instructions on the sequence of organiza brigades (NGSP) in octablishment	the Ministry of Ferrous	
Metallurgy of the USSR Typical regulations on the pyrotechnical the Ministry of Ferrous Metallurgy of th	Ministry of Ferrous 26 service in establishments of	
Trade Unions (approved by the Presidium Council of Trade Unions on January 17, 12 Regulations pertaining to the Council section	ectors of the Council of of the All-Union Central 958)	
of the All-Union Central Council of Trade Regulations pertaining to public inspects (approved by the Presidium of the All-Uni	ee (approved by the Presidium e Unions on February 8, 1951) 40	
Unions on January 21, 1944) Regulations pertaining to the All-Union S (approved by the Ministry of Health of the	State Constitute T	
Card 3/17		

		1
Handhook		
Handbook on Industrial (Cont.)		
Ch. II. Responsed to SOV/1585		
nesponsibility for Violating Industria		
Ch. II. Responsibility for Violating Industrial Safety Laws, Regulations Responsibility of employers for crimes (from the Communications)		
the parcy of employers for crimes (and Industrial Hyriene	"	
Responsibility of employers for crimes (from the Criminal Code of Measures taken in the standards of Safety Engineering and Industrial Hygiene	49	
Confirmation on the struggle against violets	. 49	•
Measures taken in the struggle against violation of labor legislation up to 500 rubles by Central C.	50	
From the Carry a contract Committees of many to the pose fines		
Court ymandam of the harde (Articles hat	50	
Plenum of the Supreme Court of the USSR of June 10, 1943) Statute of limitation (Article 44 of the Civil Co.	51	
Statute of limitation (American of the USSR of June 10 1017)		
Statute of limitation (Article 44 of the Civil Code of the RSFSR) h. III. Appropriations for the civil Code of the RSFSR)	52	
n. III. Appropriations for the T	56	
h. III. Appropriations for the Improvement of Sanitary Working Approval of the control		
Approval of the combined nomenclature of measures on protection of (Industrial and Financial and Fin		5. (1)
(Industrial to be included in a great or measures on protection of	4.	
labor, subject to be included in a special section of the Promfinplan Nomenclature of measures on protection of Nomenclature of measures.		41
Nomenclature of measures on industrial safety in mining establish-	58	
ments of the Ministry of Metallurgical Industry)0	
rd 4/17	68	
	,	
	11.	
	14 21 -1 -	a many

		SINCE III II des lar	FERRES
Handbook on Industrial (Cont.)			
Gtald (Cont.)			
on the appropriation of funds for industrial safety mediatric on the specific of safety mediatric on the specific of the safety mediatric of the safety mediatric of the safety mediatric on the safety mediatric or the safet	80V/1585		
by Testi agen of funda for the accounts of	004-11		
on the appropriation of funds for industrial safety med by TaSU SSSR on October 2, 1957) funds for industrial safety med funds for industrial	Baures (:
Instructions on the preparation of accounts on the approach. Ch. IV. Recording and A.	-oures (abbroke	đ	1
Ch. TV Ch. TV Salety measures	opriation of	74	
To will Accompany		75	
Regulations on Poisoning Poisoning	tions -	17	
production of recording and accounting	Diseases		E.
Regulations on recording and accounting for accidents reing, and accounting for accidents reing.	lated to	76	
in Agrana during of Amarana durication, famous		76	
Regulations on the controlled by the Controlled	ion, record-	10	
including poisoning notification and records	the Hagn	•	
THE PARTY OF THE P	lonal disease	85	
		102	
preliminary and professions		705	
List of trades and professions whose workers are subject medical examination prior to hiring and to a medical examination thereafter (Supplement No. 1 to the decay of the Winistry of Health of the Winistry decay of the USSR detay of the decay of the USSR detay of	to a		1
the Ministry of Health	w a. Derioda		11
medical examination prior to hiring and to a 1 the Ministry of Health of the USSR, dated September 7, 1957	cree of		
1957		115	
			e ^k
一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个			
and the same of th			
territorio de la companya del companya de la companya del companya de la companya del la companya de la company	reid City is a temp		or ingus 1577
		설탕 선활 당하는데	riniş e

Handbook on Industrial (Cont.) Instructions for the conduct of preliminary and periodic medical examinations of workers (Supplement No. 2 to the decree of the Ministry of Health of the USSR dated, September 7, 1957) List of specialized personnel participating in the periodic medical examinations, X-rays, and laboratory tests (Supplement No. 1 to the decree of the Ministry of Health of the USSR, dated September 7, 1957) List of medical disorders preventing hiring in trades where workers 122 are subject to periodic medical examinations (Supplement No. 2 to the instructions of the Ministry of Health of the USGR, September 7, 125 Medical disorders preventing workers from being hired as stokers (approved by the Ministry of Health of the USSR on May 26, 1951) Medical disorders preventing workers from being hired as operators to service pressure vessels (approved by the Ministry of Health of 131 145 Ch. VI. 147

Shorter Workday, Additional Leave, Special Clothing, Special Approvel of the list of professions with hazardous working conditions, for which a six-hour workday has been established (Decree of the Council of the People's Commissars of July 1, 1940) Card 6/17

149

Handbook PD FOR BELEASE: 07/19/2001

CIA-RDP86-00513R0020648

,*+	APPROVED FOR BELLEASE: 07/19/2001 CIA-RDP86-00513R002	06401
	List of professions with here. Sov/1585	
	six-hour workday has been established (Supplement to the Decree of Additions to the list of professions with hazardous working conditions, for which a conditions, for which subsequent decrees have established (Excerpts from	
•	Workday which subsequent decrees have working	150
	Council of the Paris on regular and addition	
		155
	List of professions in head	156
	the All-Union Central Council of Trade Union of the Secretaries	157
	July 2, 1941) granted (Supplements Nos. 1 and 2 to the Decree	159
Uar	d 7/17	
		170

Handbook on To	
Handbook on Industrial (Cont.)	
List of Jobs in cale	
List of jobs in coking enterprises of the Ministry of Metallurgic. On the svailability of soap on washstands in enterprises Ch. VII. Labor Protection	91
Ch. VII. Labor Protection for Women and Minors Prohibition of the Codex of Laws and Minors	202
APTIGIO 700	204
Prohibited of the Codex of Larre and Minors	
Article 129 of the Codex of Laws on Labor in the RSFSR hazardous work and trades List of particularly hard and	6
List of work and trades women in particularly hard	205
List of particularly hard and hazardous work and trades prohibited Maximum loads to be lifted and manual manual trades prohibited	
Maximum Tons	205
Maximum loads to be lifted and moved by adult women mining industry and in the construction of underground work in the exceptions associated with	
mining description against employing moved by adult women	206
List of many and in the constraint underground work	207
exceptions associated with anderground structure	
List of tobe rule and may be start underground work which	208
Maximum to a less than 10	209
Leave and work conditions for youths Establishment of a six-home	
Establishment conditions for worth	210
of age	212
Establishment of a six-hour workday for youths from 16 to 18 years Card 9/17	214
Card 9/17	
	214
A Line Control of the	

A STATE OF THE PROPERTY OF THE	NOTES TO SEE	HIRITATES I
	E	
Handbook on Industrial (Cont.)		
Ch. VIII. Industrial S.		
Sanitation norms in planning industrial establishments (approved by the State Committee of the Council of Ministers of the USSR introduced on January 1, 1958). Reissued with changes		
to F1010 Of amales.		
" " The to " UTC I III TO A 1 III	215	
	215	
IV. Requirement for production of buildings and installations V. Requirements for auxiliary buildings of details.	215	
V. Requirements for auxiliary buildings and installations establishments	219	
	222	
Zones (Supplementation of production processes and	236	
reservoirs (Supplement No. 2) Maximum reservoirs (Supplement No. 2)	252	
dusts in the air of the working zone of processing by apors, and	263	
Maximum permissible concentration of nontoxic dusts in the air of the working zone of processing buildings (Supplement No. 4)	265	
Card 10/17	267	
		2.7
		C 301 C 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

andbook on Industrial (Cont.)	
Standards for meteorological conditions applicable to processing buildings (Supplement No. 5)	
Calculated indoor termenature	267
in public facility rooms and offices in industrial establishments (Supplement No. 6)	tion
Composition of milia footies	270
aspects of production processes (Supplement No. 7)	
	271 3) 274
Standards for artificial limits (2007)	277
Composition and footage of dining areas (Supplement No. 10) Indices of the maximum negretariant series (Supplement No. 12)	283
substances for a senting concentration of harmful	292
(approved by the Density Change and of air purity in populated ar	eas
on July 16, 1956) Sanitary rules for installation Inspector of the US	206 8K
Sanitary rules for installing and equipping of ventilation opening in exhaust pipes for a natural ventilation of excessively heated processing buildings (approved by the Chief Chie	8
processing mildings (emmand)	
31 Marten 1, 1975)	297
d 11/17	

· · · · · · · · · · · · · · · · · · ·	FEIL DETF	ed to High Pilling
Handbook on Todays and	:	:-
Handbook on Industrial (Cont.)		.:: .
Termore 80V/1585		
Temporary sanitary standards and rules for the reduction of noise in February 9, 1956)	n	
Basic concepts and conventional symbols (Supplement No. 1) Methods of measuring noise (Supplement No. 1)	300	f
Methods of measuring noise (Supplement No. 1) Determining the maximum necessarily and the maximum necessarily noise (Supplement No. 2)	309	
Determining the maximum permissible noise level using a standard. Chart (Supplement No.3)	311	
chart (Supplement No.3)		:
Checking the conditions of speech clarity under noisy conditions [Supplement No. 4]	312	
(Supplement No. 4)		- : .
	314	
Indices to the selection of noise muffling devices, soundproofing, and an efficient planning of industrial establishment areas	<u> </u>	
(annutament NV E)		
Levels and characteristics of industrial noises (Supplement No. 6)	314	
Temporary sanitary rules to limit the effect of vibration on workers	317	1.1
operating phenmette and an area of the vibration on troubent		• •
AMS OF UC CITTED AND A Land And And A Land And And A Land And And And And A Land And And		100
Instructions on the installation and sanitary maintenance of working	2-2	
Inspection of the USSR on May 8, 1941)	•	
	324	
Card 12/17	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		. y 1, 4
[설명 : 18] : 사용하는 19 : 16 : 10 : 10 : 10 : 10 : 10 : 10 : 10		
		F 264
The state of the s		32.5

andbook on Industrial (Cont.)	SOV/1585	
Sanitation rules on the installation and mai with mercury arc rectifiers and premises whe repaired (approved by Chief State Sanitation December 24, 1954)	ntenance of substations re mercury instruments are Inspection of the men	
(Supplement No. 1) special clothing for worki	ng with mercury	331
Method of preparing reagent paper for determ mercury vapors (Supplement No. 2)	ining the presence of	340
neutralizing metallica of aqueous solution of	ferric chloride com	340
(approved by the Chief State Sanitation Inspe	mma ray - flaw detection	341
controlling and working with radioactive subs	ting, storing, stock	142
		49
the RDIAG then are to	LEGUION AND ACCORD	49
III. Stock control, storage, and transports	ation of radioactive	51
d 13/17		53

IV. Sanitation requirements for the removal and deactivating of wastes containing radioactive isotopes V. Measures for individual protection and hygiene VI. Sanitation and work instructions and medical examinations VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956) 357 368 379 379 379 379 379	V. Measures for individual protection and hygiene VI. Sanitation and work instructions and medical examinations VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Handbook on Industrial (Cont.) SOV/1585		
V. Measures for individual protection and hygiene VI. Sanitation and work instructions and medical examinations VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	V. Measures for individual protection and hygiene VI. Sanitation and work instructions and medical examinations VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	IV. Sanitation requirements for the removed and security		· .:
VI. Sanitation and work instructions and hygiene VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some isotopes, expressed in milligram-equivalent of radium per millicurie (without taking into account the retarding radiation of P-particles) (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	VI. Sanitation and work instructions and hygiene VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	of wastes containing radioactive isotores		
VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	VII. Dosimetric control VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radicactive isotopes (Supplement Nos. 5), 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)			
VIII. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie (without taking into account the retarding radiation of P-particles) (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Will. Conclusions Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	VI. Sanitation and work instructions and medical assessment		
Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Maximum permissible levels of ionizing radiation per unit of time (Supplement No. 1) Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	VII. Dosimetric control		i
Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie (without taking into account the retarding radiation of P-particles) (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Vill. Conclusions		
Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Protection against gamma-rays (Supplement No. 2) Protection against beta-radiation (Supplement No. 3) Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie (without taking into account the retarding radiation of P-particles) (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	(Supplemental Permissible levels of ionizing radiation per unit as it	364	
Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos.) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie (without taking into account the retarding radiation of P-particles) (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos.) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Coupplement No. 1)		
Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos.) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Gamma activity of some m isotopes, expressed in milligram-equivalent of radium per millicurie (without taking into account the retarding radiation of P-particles) (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos.) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Protection against gamma-rays (Supplement No. 2)		
of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radicactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	of radium per millicurie [without taking into account the retarding radiation of P-particles] (Supplement No. 4) Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)		373	
Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special the State Sanitation Inspector of the USSR on June 6, 1956)	Account book for the stock control of isotopes, and request and report forms for obtaining radioactive isotopes (Supplement Nos. 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	of reddy activity of some m isotopes, expressed in millioner activity	. 377	***
report forms for obtaining radioactive isotopes, and request and 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special the State Sanitation Inspector of the USSR on June 6, 1956)	report forms for obtaining radioactive isotopes, and request and 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	radiation per millicurie [without taking into account the retarding		
report forms for obtaining radioactive isotopes, and request and 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	report forms for obtaining radioactive isotopes, and request and 5, 5a, 6, 7) Provitional sanitation rules for laundries processing special the State Sanitation Inspector of the USSR on June 6, 1956)	Account have - particles (Supplement No. 4)		
Provitional sanitation rules for laundries processing special the State Sanitation Inspector of the USSR on June 6, 1956)	Provitional sanitation rules for laundries processing special the State Sanitation Inspector of the USSR on June 6, 1956)		378	4. 75
Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	Provitional sanitation rules for laundries processing special clothing contaminated with radioactive substances (approved by the State Sanitation Inspector of the USSR on June 6, 1956)	5. 5. 6 m		1.1
the State Sanitation Inspector of the USSR on June 6, 1956)	the State Sanitation Inspector of the USSR on June 6, 1956)	Provided and and the second se		
the State Sanitation Inspector of the USSR on June 6, 1956)	the State Sanitation Inspector of the USSR on June 6, 1956)	Clothing contaction rules for laundries processing special	279	
380 x80	382 the book on June 6, 1956)	the grate Contaminated with radioactive substances (ammuned be		
Card 14/17	ard 14/17	one State Sanitation Inspector of the USSR on June 6 1056)	-0-	
[마루 바/H][[: [하다 : 기계 : [하다 : [: [: [: [: [: [: [: [: [: [: [: [: [and 11. ha	382	1 1 1
		** **/*/		

	Handbook on Industrial (Cont.) 80V/1585	
. ,	Instructions on processing special clothing and underwear contaminated with radioactive substances (Appendix) Rules for installing and maintaining laboratories and stations for spectrum analysis (approved by the Presidium of the Academy of Sciences of the USSR on June 20, 1052)	1 389
W. 1	Provisional sanitation rules for (material)	396
	for electric welding (approved by the Chief State Sanitation Inspector of the USSR on September 14, 1951) Sanitation rules for storing transport, and use of ethylated gasoline in motor transport (approved by the Chief State Sanitation Inspector of the USSR on September 2, 1957)	404
	(Appendix)	412
	Provisional sanitation rules on the use of benzene for motor transport (approved by the Chief State Sanitation Inspector of the USSR on	420
	Rules for storing liquid chlorine by the user industrial establishments (Obligatory Decree of the People's Commissariat of Labor of the USSR	421
		423

Handbook on Industrial (Cont.)		
Sequence in making inside repairs, cleaning, and inspection of equipment of chemical industries (Obligatory Recree of the People's Commissariat of Labor of the USSR on February 7, 1933) Provisional sanitation rules for planning the equipment and analysis.	429	
Chief State Sanitation Inspector of the USSR on April 16, 1956) Provisional rules for the sequence of eliminating strong toxic substances which have lost effectiveness and an extreme toxic	430	
individual and general safety (approved by the People's Commissariat of Internal Affairs and the People's Commissariat of Public Health of the USSR on February 15, 1939) Instructions on counteracting and eliminating strong toxic substances (Supplement No. 1)	440	
Instructions on neutralizing containers from strong	կկկ	
Industrial safety measures when working with witches (alle	447	
Decree of the People's Commissariat of Labor of the USSR of June 30, 1930 with changes entered by the Decree of the People's Commissariat of Labor of the USSR on March 21, 1933)		
	449	
ard 16/17		

Handbook on Industrial (Cont.)		
Instructions on preventive treatment and first aid in cases of heat prostration of workers in industrial establishments (approved by the All-Union State Sanitary Inspection on July 18, 1942) Prevention of poisoning of workers performing repair work in sewers, drains, and cesspools, and inspecting water supply wells (Circular of the State Sanitation Inspection of the RSFSR of June 7, 1958)	451	
Instruction on sanitary measures against suppurative diseases of the skin and subcutaneous tissue contracted in establishments Supplying workers in hot workshops with carbonated salt water (Obligatory Decree of the Secretariat of the All-Union Central Council of Trade Unions of June 11, 1934)	458	8
Instructions for introducing efficient water drinking habits in hot workshops Rules for authorwork during the cold part of the year (Obligatory Decree of the People's Commissariat of Labor of the USSR on December 11, 1929)	461 462 463	
AVAILABLE: Library of Congress	407	
JC/mal 7-16-59		

SHELKETIN, Aleksandr Vital'ysvich; KARPUSHINSKII, Naum Savvich;

ZHILO, M.Yo., red.; ISLENT'YEVA, P.G., tekim.red.

[Improvement of working conditions at iron ore agglomeration factories] Ozdorovlenia uslovii truda na aglomerationnykh fabrikakh shelesnoi rudy. Moskva, Oos.nauchno-tekhn.isd-vo lit-ry po chernoi i tavetnoi metallurgii, 1960. 117 p.

(Sintering-Hygienic aspects)

SHTROMBERG, Yakov Abramovich, kandidat tekhnicheskikh nauk; ZHILO, M.Ye., redaktor; AVRUTSKAYA, R.F., redaktor izdatel stva; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Dustremoval ventilation in rolling mills] Obespylivaiushchaia ventiliatsiis prokatnykh stanov. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 71 p. (MIRA 10:9)

(Factories -- Heating and ventilation)

GUZEV, Yefim Matveyevich; DESYATNIK, Yudko Froimovich; ROMANOV, Petr Nikolayevich; KHOROSHILOV, Vasiliy Ivanovich; ZHILO, M.Ye, redaktor; AVRUTSKAYA, R.F., redaktor izdatel stva; MARSEV, A.I., tekhnicheskiy redaktor

[Safety engineering in the preparation, loading, unloading and reprocessing of ferrous scrap] Tekhnika bezopasnosti pri zagotovke, pogruzke, razgruzke i pererabetka loma chernykh metallov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957. 103 p.

(MIRA 10:9)

(Scrap metal industry--Safety measures)

VOLKOV, Yuriy Mikovayevich; ZHILO, M.Ye., red.; AVRUTSKAYA, P.F., red. isd-va; KARASEW, A.I., tekhn. red.

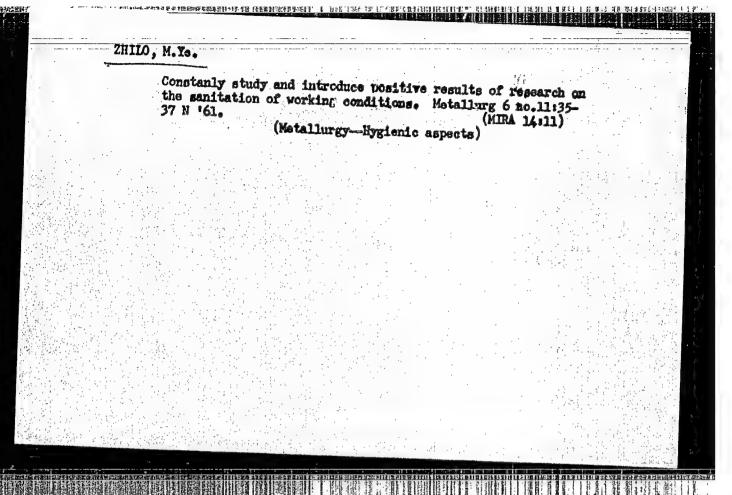
[Safety engineering in wire drawing] Tekhnika besopasnosti pri volochenii provoloki. Moskva, Gos. nauchno-tekhn. isd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958, 86 p. (MIRA 1117)

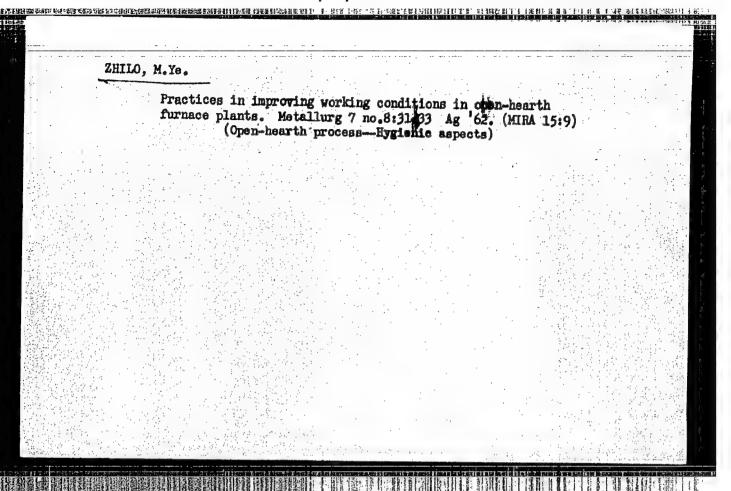
(Wire drawing—Safety measures)

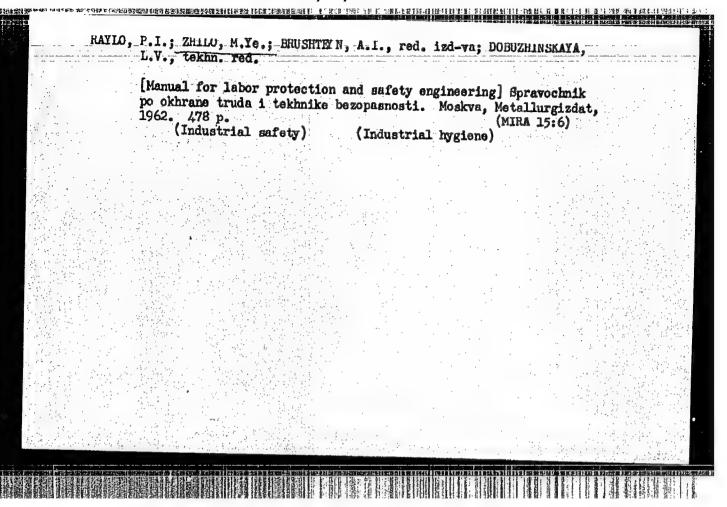
RATIO. P.1.; ZHIIO. M.Yer; BRUSHTEIN, A.I., red.izd-va; DÖBIZHIUSKAYA,
L.V., tekhn.red.

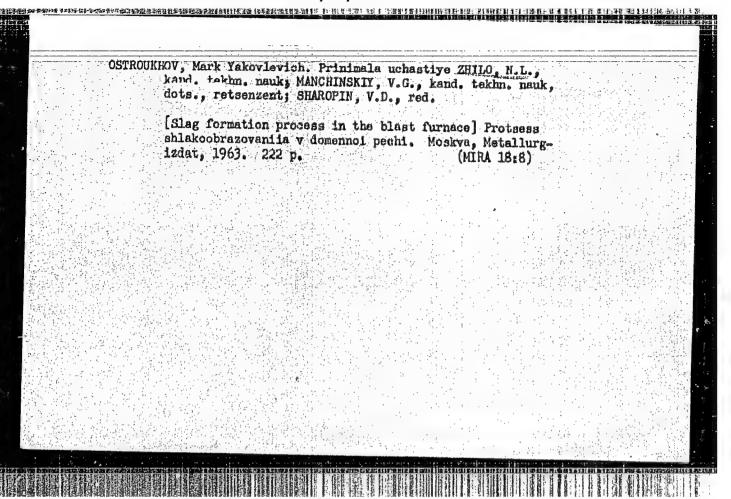
[Handbook on labor protection and safety engineering] Spravochnik
po okhrane truda i tekhnike bezopesnosti [Sost. P.I.Railo, M.E.
Zhiio] Moskva, Gos.nauchno-tekhn.iad-vo lit-ry po chernoi i
tavetnoi metallurgii, 1958, 470 p. (MIRA 12:1)

(Metallurgical plants--Safety measures)





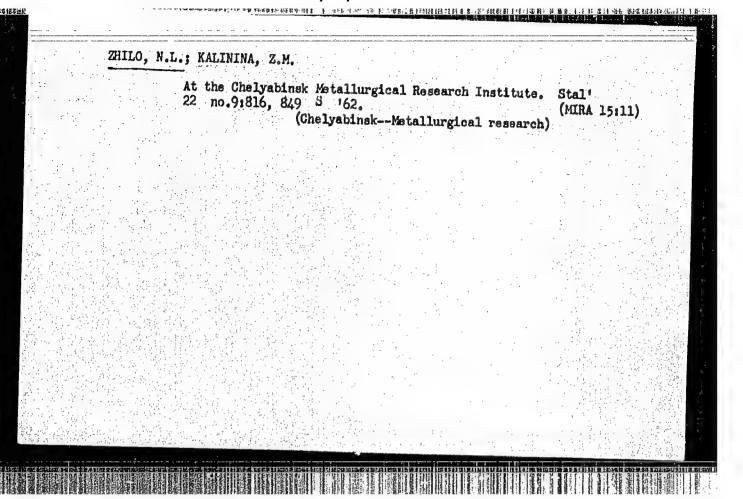


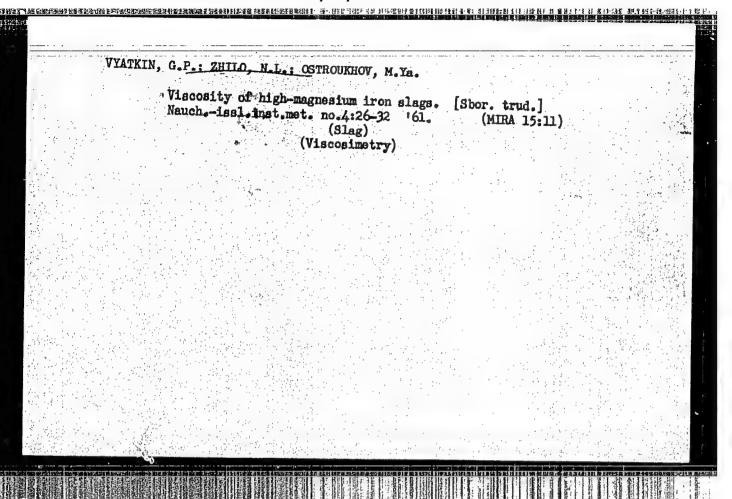


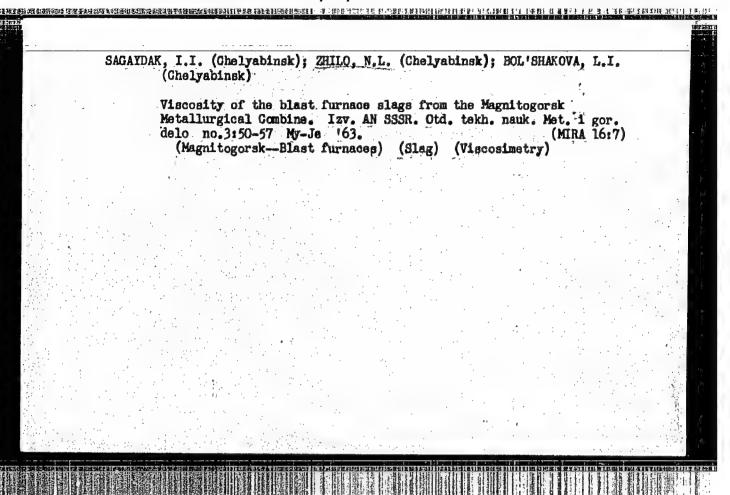
BABARYKIN, N.N.; GALATONOV, A.L.; SAGAYDAK, I.I.; SHPARBER, L.Ya.; TSVERLING, A.L.; YAKOBSON, A.P.; BORTS, Yu.M.; ZHILO, N.L.; KOPYRIN, I.A.; OSTROUKHOV, M.Ya. Experimental smelting with a reduced slag output. Stal! 24 no.12:1069-1075 D '64. (MIRA 18:2) 1. Magnitorskiy metallurgicheskiy kombinat i Chelyabinskiy nauchno-issledovatel'skiy institut metallurgii.

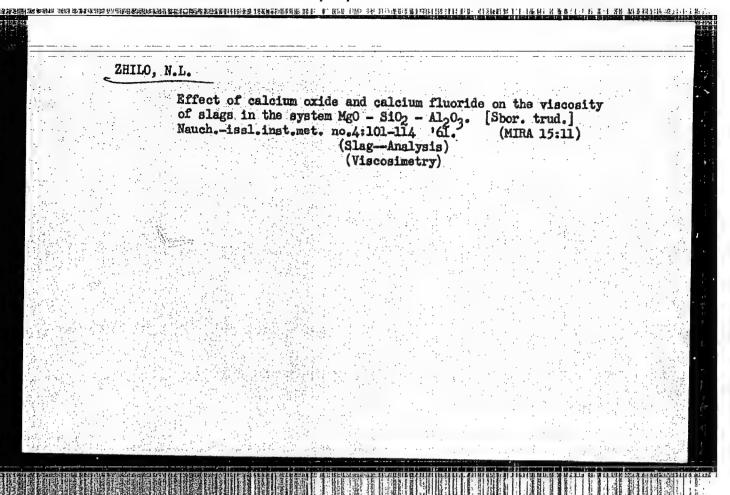
> CIA-RDP86-00513R002064810017-2" APPROVED FOR RELEASE: 07/19/2001

	Effect of barium oxide on the viscosity of Izv. vys. ucheb. zav.; chern. met. 5 no.5:44								f blast	blast furnace slags.					
			Chely	abinski	/ nauchi	no-i sal	40	el'ski	y inst	oz. (. itut m	MIRA etalli	15:6)			
	. • •			(Slag)	lesting,)*.	, .	(Barium	oxide)	B11.		-	
						1	·:			,					
									. *					* .	
		18 July 1										1 1 1 m			
						•				-				1 1 d	
											• :: ,				
									•				. ()		
AND SUBMIT		ta ya ya							•					. :	
							<i>1 </i>								
								•							
											. :				
						• •		•						المعارب	
								*							
										·					
		* 9 × 11 ×													
									, .						
	the second			1. 1. 1. 1. 1. 1.											









VYATKIN, G.P.; ZHILO, N.L.; OSTROUKHOV, M.Ya.

Viscosity of high-magnesium blast furnace slags with
10 to 20% ferrous oxide. Isv. vys. ucheb. sav.; chern.
met. 5 no.10:25-30 162. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut metallurgii.
(Slag-Testing) (Viscosimetry)

GUL'TYAT, I.I. (Moskva); ZHIIO, H.L., (Moskva); RUDHEYA, A.V. (Moskva); SOKOLOV, G.A. (Moskva); TSILEY, L.M. (Moskva)

Effect of potassium oxide on the visosity of molten calcium-alumina-milicon systems corresponding to the composition of primary blast furnace slags, Isv. AN SSSR. Otd. tekh. nauk Het, i topl. no.2: 3-7 Kr-Ap 159.

(Potassium oxides) (Viscosity) (Slag)

(Potassium oxides) (Viscosity) (Slag)

PHASE I BOOK EXPLOITATION

SOV/4558 SOV/16-8-5

Akademiya nauk SSSR. Institut metallurgii

Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya (Physicochemical Research Methods in Metallurgy and Metal Science) Moscow, Izd-vo AN SSSR, 1960. 251 p. (Series: Its: Trudy, vyp. 5) Errata slip inserted. 2,800 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni A.A. Baykova.

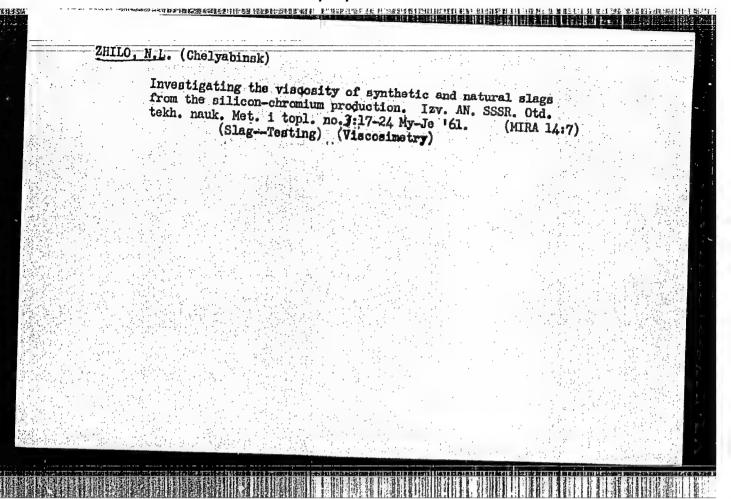
Resp. Ed.: I.P. Bardin, Academician (Deceased); Ed. of Publishing House: V.A. Klimov; Tech. Ed.: T.P. Polenova.

PURPOSE: This collection of articles is intended for metallurgists and metal researchers.

COVERAGE: The collection contains articles on metallurgy, metal science, and physicochemical research methods. Separate articles discuss the structure and properties of some metals and alloys. The effect of cold treatment and inclusions on the properties of alloys are analyzed, and instruments and

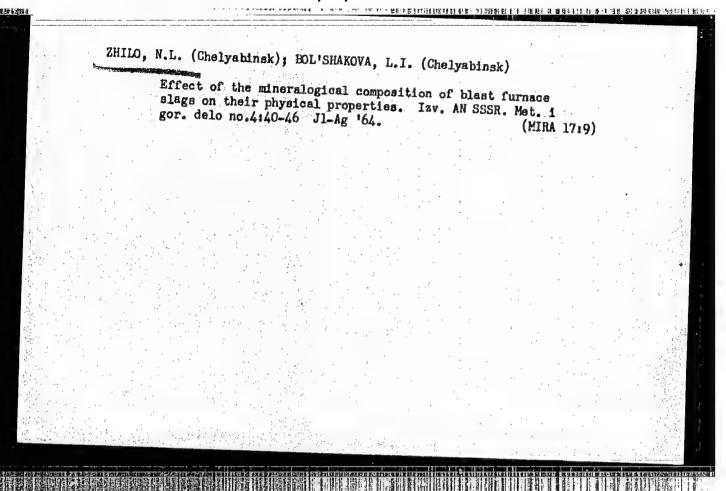
Gard 1/7

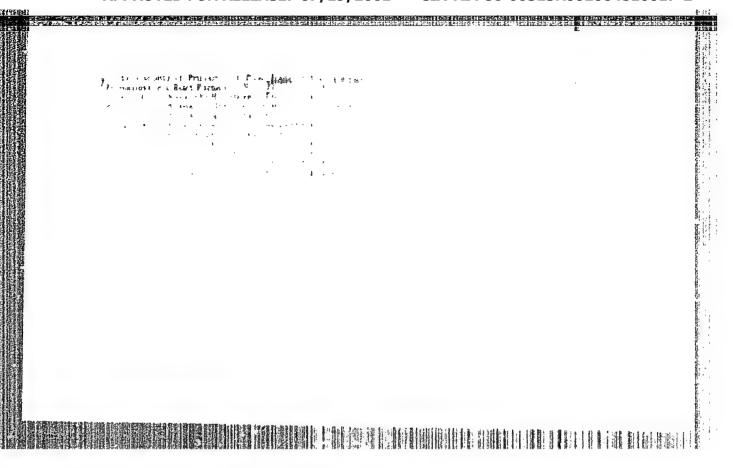
Di	from a company to the form
Physicochemical Research Methods (Cont.	
methods used in investigation	SOV/4558 Occases occurring in metals and alloys mentioned. References accomment
of the articles. No personalities are	SOV/4558 occesses occurring in metals and alloys mentioned. References accompany most
TABLE OF CONTENTS:	mentioned. References accommodalloys
	most
7.04 T	
Levenets	the Water ties of the Water
PIR Iron Has as	a de la companya de l
Kulikov, I.S	oxygen in Converter Refining
VALUE DWA A DIDING	
Foryst, Yu. T. V.A. Vol.	Absorption Capacity
Foryst, Yu. T., V.A. Mchedlishvili, and A. by a Complex Alloy of Manganese, Silicon, a Composition of Oxide Inclusions in Steel Khlebnikov, A. Ye. On the Problem	N. Senent
or Oxide Inclusions in Standard	and Aluminum Effect of Deoxide to
Khlebnikov, A. Ye. On the Problem of Utilizers for Evaluating the Technology of Smelt	on the Content and
for Evaluating the Technology of Utili	zing the n
Tests for Evaluating the Technology of Smelt	ting and Contains of Mechanical
	36
The state of the s	

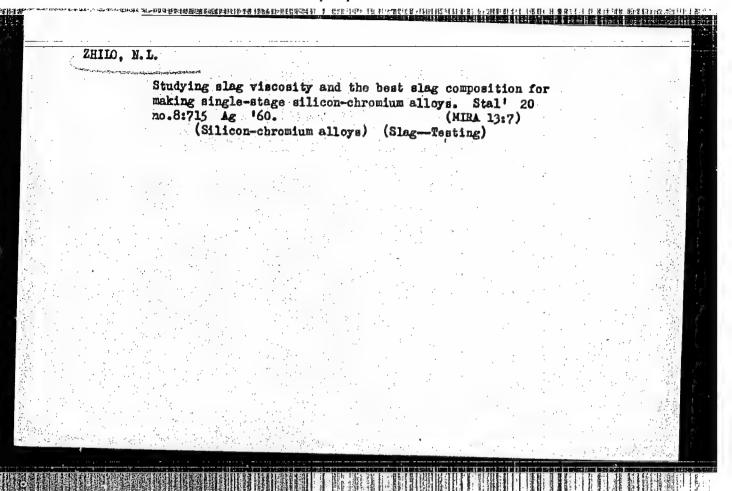


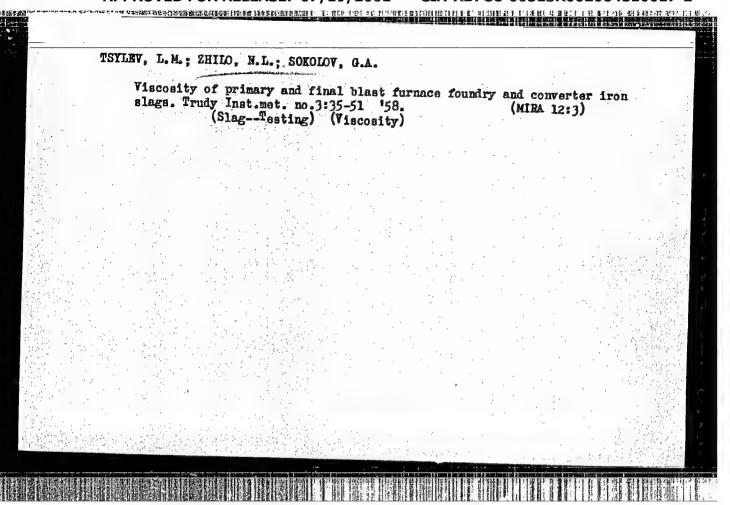
OHLI	LO, N,L.			
	Effect of lipproduction of Je 161.	me and fluorite on the visc f chromium-silicon alloys.	osity of slag Stal! 21 no.6	5: 525
		(Slag-Analysis)		(MIRA 14:5)
		[발발: 발생 1] : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1		
				the same of the
	ng the section of the figure of the section of the			

CIA-RDP86-00513R002064810017-2" APPROVED FOR RELEASE: 07/19/2001





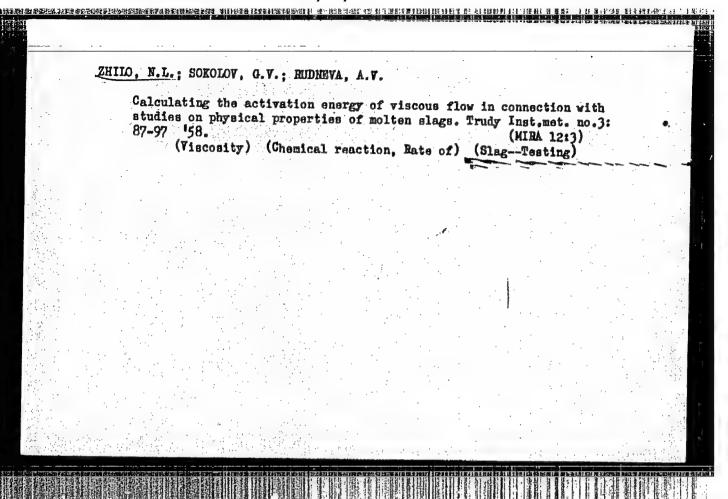




RUDNEVA, A.V.; ZHILO, M.L.; SOKOLOV, C.A.

Effect of phase constitution on the physical properties of blast furnace slag. Trudy Inst.met. no.3:52-62 '56. (MIRA 12:3)

(Slag. Testing) (Phase rule and equilibrium)



SOV/180-59-2-1/34 AUTHORS: Gul'tyay, I.I Zhilo, N.L., Rudneva, A.V., Sokolov, G.A. and Tsylev, L.M. (Moscow) TITLE: Influence of Potassium Oxide on the Viscosity of Melts of the System Lime-Alumina-Silica in the Range Corresponding to the Compositions of Primary Blast-Furnace Slags (Vliyaniye okisi kaliya na vyazkost' rasplavov sistemy izvest'-glinozem-kremnezem v oblasti, sootvetstvuyushchey sostavam pervichnykh domennykh shlakov) PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, Metallurgiya i Toplivo, 1959, Nr 2, pp 3-7 (USSR) ABSTRACT: Analyses of real blast-furnace primary slags (Ref 1) show an appreciable alkali content. The effect of alkalies on the physical properties of slags with 0.5 and 10% alumina has been described by some of the authors (Refs 1,2); the present work relates to melts with about 16% alumina. The experimental method used was as previously described (Refs 2,3), the apparatus (Ref 4) being slightly modified to increase thermocouple-sheath life. The range of compositions covered was: 10.8 - 40.7% CaO; 34.1 - 55.8% SiO2; 15.0 - 17.5% Al2O3; 0.0 - 23.2% K2O;

可分析单组使解析的主义是专用的Lines (1996年1120年日的组织,这个程序(1997)(在1917年程代)是了6月1日日本的18月1日日本

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810017-2"

0.21 - 1.35 Ca0/SiO2. Table 1 shows the compositions

SOV/180-59-2-1/34

Influence of Potassium Oxide on the Viscosity of Melts of the System Lime-Alumina-Silica in the Range Corresponding to the Compositions of Primary Blast-Furnace Slags

and viscosities at 1300, 1350, 1400, 1450 and 1500 °C and the temperatures at the start of crystallization and at a viscosity value of 60 poise. Fig 1 shows lines of equal compositions for different values of viscosity, 16% Al₂0₃ and 1450 °C. Fig 2 shows isotherms for the start of crystallization for 16% Al₂0₃ slags. The viscosity and temperature of the start of crystallization are shown in Figs 3 and 4, respectively, as functions of the lime: silica ratio for various K₂0 contents. The results show that the introduction of K₂0 into the slags produces an increase in viscosity and crystallization temperature, the effect being most marked with slags having high lime: silica ratios. Addition of K₂0 also reduces the range of the most fluid compositions, while the slag-viscosity minimum rises from 8 to 13 poise. The authors have estimated the mineralogical compositions of their slags (Table 2). Slags with minimal viscosity at 1450°C are characterized by the predominance of

Card 2/3

Influence of Potassium Oxide on the Viscosity of Melts of the System Lime-Alumina-Silica in the Range Corresponding to the Compositions of Primary Blast-Furnace Slags

pseudo-wollastonite and gehlenite. With acid slag, increasing viscosity is due to formation of anorthite and free silica; with basic slags to formation of

There are 4 figures, 2 tables and 9 references, 5 of which are Soviet and 4 English. Card 3/3

SUBMITTED: June 6, 1958

ZHILO NIL

PHASE I BOOK EXPLOITATION SOV/2812

Akademiya nauk SSSR. Institut metallurgii

- Vyplavka ferrosplavov v domennoy pechi na dut'ye, obogashchennom kislorodom (Blast Furnace Production of Ferroalloys With Oxygeneniched Blast) Moscow, Izd-vo AN SSSR, 1959. 142 p. Errata slip inserted. 2.700 copies printed.
- Sponsoring Agency: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.
- Resp. Ed.: L. M. Tsylev, Doctor of Technical Sciences, Professor; Ed. of Publishing House: A. N. Chernov; Tech. Ed.: Yu. V. Rylina.
- PURPOSE: This collection of articles is intended for scientific and industrial personnel working on the introduction of intensified blast-furnace production of ferroalloys. It may also be useful to students of institutions of higher technical education.
- COVERAGE: The articles in this collection present the results of investigations of blast furnace processes in the experimental production of ferroalloys, conducted at the Novo-Tul'skiy metallurgicheskiy zavod (Novo-Tul'skiy Metallurgical Plant). The Card 1/4

Blast Furnace Production (Cont.)

SOV/2812

first article discusses recent achievements in the production of ferroalloys in the Soviet Union. The other articles are concerned with such specific questions as the effect of oxygenentiched blast on coke consumption, the connection between bridging of the charge and slag composition, analysis of reduction processes, slag formation, and viscosity of blast furnace slags. On the basis of mineralogical study of materials, conclusions are drawn concerning the limits of distribution of solid, plastic, and liquid phases of materials at points along the height of the blast furnace shaft. The effect of the composition of charge materials and melting conditions on the nature of phase transformations is established. Measures are discussed for reducing dust losses and improving conditions for cleaning waste gas in the blast furnace production of ferroalloys. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Bardin, I. P. Application of Oxygen in Ferrous Metallurgy

The author briefly outlines the developments in the application

of oxygen blast in pig-iron and ferroalloy production in the USSR, beginning with the first experiments in 1932. Application on an industrial scale is still limited.

Card 2/4

last Furnace Production (Cont.) SOV/2812		
sylev, L. M. Primary Slag Formation in Blast Furnaces	. 0	
Formation, and L. M. Tsylev. On Reduction Processes, Slag Furnace Slags in the Production of Ferroalloys With Oxygen-	. 0	
Idneva, A. V. Phase Transformations in the Blast Furnace Production of Ferroalloys	17	
napovalov, M. A. Analysis of the Blast Furnace Production of Ferroalloys With Oxygen-enriched Blast	38	
According to the author, extensive tests showed the use of the oxygen-enriched blast to be very effective. Productivity of the furnace was increased 95 percent for ferromanganese and 53 percent for ferrosilicon. Consumption of coke was reduced by 290 kg. for each ton of ferromanganese produced, and by 200 kg. per ton of ferrosilicon (in comparison with figures for a furnace at an unidentified plant). The tests also demonstrated the feasibility of making silicomanganese in this	l	
		1

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064810017-2

Blast Furnace Production (Cont.)

500/2812

manner. Possibilities are said to exist for reducing the cost of oxygen by building high-output oxygen stations with steam-

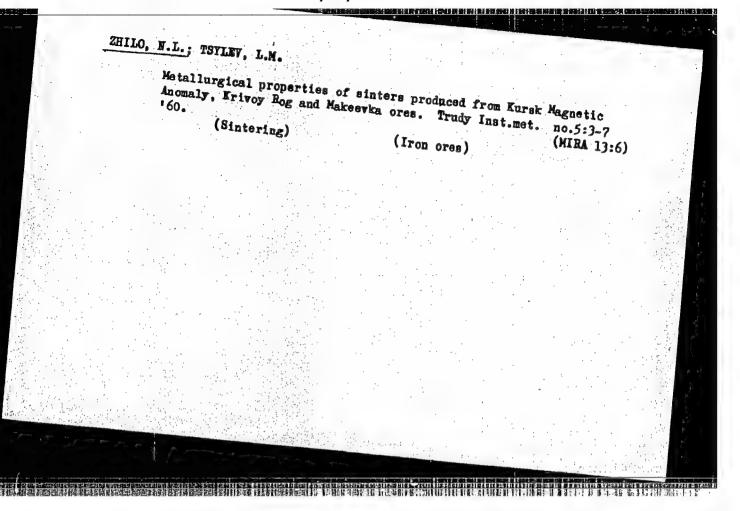
Gess-de-Kal've, B. A. Measures for Reducing Dust Losses and for Improving Conditions for Cleaning Waste Gas in the Blast Furnace Production of Ferroalloys

117

AVAILABLE: Library of Congress

Card 4/4

1-15-60 GO/ec



sov/180-59-3-4/43

AUTHORS:

Gul'tyay, I.I., Zhilo, N.L., Sokolov, G.A. and Tsylev, L.M. (Moscow) The Influence of Magnesia on the Physical Properties

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 3, pp 20-24 (USSR)

Some results of an investigation of the influence of

magnesia on the viscosity and crystallisation ABSTRACT:

temperature of blast furnace slags are given. investigation was carried out in order to obtain an optimum composition of blast furnace slags possessing a minimum viscosity and maximum desulphurising power,

applicable to the operating conditions of the

Magnitogorsk Works. The viscosity of slags of the system CaO - MgO - 15% Al203 - SiO2 was studied using samples of industrial Magnitogorsk slags with additions of magnesia and, in some cases, of lime and on samples of synthetic slags made from pure oxides. The viscosity

measurements were carried out in a rotating electroviscosimeter designed by the Academy of Sciences of the USSR (Ref 13) using carbon crucibles at temperatures

Card 1/2

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R002064810017-2"

SOV/180-59-3-4/43

The Influence of Magnesia on the Physical Properties of Blast Furnace Slags

of 1400, 1450, 1500 and 1550°C. The experimental results are assembled in table 1. The results obtained indicated the range of compositions of slags of the quarternary system Ca0-Mg0-Al₂O₃-SiO₂ with a minimum viscosity: Ca0 from 27.5 to 44%; SiO₂ from 40 to 29.5%; MgO from 5 to 20% and Al₂O₃ - 15%. The ratio of CaO/SiO₂ in these slags varies from 0.80 to 1.30 and the ratio of (CaO + MgO)/(SiO₂ + Al₂O₃) from 0.82 to 1.30. In order to explain the influence of magnesia on the mechanism of the viscous flow of slags, calculations of the activation energy Eq were carried out for slags with minimum viscosity. The activation energy varies from 26.7 to 47.5 k cal/mol, whereupon the minimum value was possessed by a slag with a CaO/SiO₂ ratio of 1.01 and a (CaO + MgO)/(SiO₂ + Al₂O₃) ratio of 1.15 (Fig 4). There are 4 figures, 1 table and 13 references, 7 of which are Soviet and 6 English.

SUBMITTED: September 17, 1957

Card 2/2

ZHILO, N.L

18(4)

PHASE I BOOK EXPLOITATION

sov/1896

Akademiya nauk SSSR. Institut metallurgii

Metallurgiya, metallovedeniye, fiziko-khimicheskiye metody issledovaniya (Metallurgy, Study of Metals, and Physicochemical Methods of Investigation) Moscow, Izd-vo AN SSSR, 308 p. (Series: Its: Trudy, vyp. 3) Errata slip inserted. 3,000 copies printed.

Resp. Ed.: I.P. Bardin, Academician; Ed. of Publishing House; A.N. Chernov; Tech. Ed.: I.F. Kuzmin.

PURPOSE: This book is of interest to researchers in metallurgy, as well as to the technical personnel of the metallurgical industry.

COVERAGE: This volume of the Trudy (Transactions) of the Institut metallurgii imeni A.A. Baykova (Metallurigical Institute im. A.A. Baykov) contains 31 studies on metallurgy, individual metals and alloys, and physicochemical methods of investigation. Some of the studies pertain to the reduction of titanomagnetites, the viscosity and other characteristics of blast furnace slag, dislocation in metals, cracking of metals due to corrosion, simultaneous

Card 1/6

是这种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种"一种"的一种		11:1
Metallurgy, Study of Metals (Cont.) 507/1896		
solubility of metals at various temperatures, apparatus for measuring electrical resistance and for determining the melting point of alloys and metals, optical spectral analysis, quantitative determinations by the sublimation method, and aging of alloys. Each study is accompanied by references.		
TAKLE OF CONTENTS:		
Reznichenko, V.A. Reducing Titanomagnetites by Means of Carbon Monoxide and Solid Carbon	3	
Tsylev, L.M., N.L. Zhilo, and G.A. Sokolov. Viscosity of Natural Primary and Final Blast Furnace Slags of Cast and Conversion Iron	3 5	Mary mary and the
Rudneva, A.V., N.L. Zhilo, and G.A. Sokolov. Effect of Phase Composition on the Physical Properties of Blast Furnace Slags	52	
Cubin, G.V., and L.M. Tsylev. On the Reduction of Ore and Carbon Gramules	63	
Khodak, L.Z. Shape and Dimensions of the Combustion Zone in a Blast Furnace	69	*
Card 2/6		